Contents

Bachmann, P., Hinrichsen, K.: Semiautomated Evaluation of Morphometric Data of Myoblasts and Myotubes and the Calculation of the Relative DNA Content with the Television Texture Analysis System (TAS) . . . 233

Bagby, R.M.: Double-Immunofluorescent Staining of Isolated Smooth Muscle Cells. I. Preparation of Anti-Chicken Gizzard α-Actinin and its Use with Anti-Chicken Gizzard Myosin for Co-Localization of α-Actinin and Myosin in Chicken Gizzard Cells . . . 113

Blok, J., Mulder-Stapel, A.A., Ginsel, L.A., Daems, W.T.: Binding of Cationized Ferritin to the Cell-Coat Glycoproteins of Human and Rat Small-Intestinal Absorptive Cells . . 131

Boyde, A., Shapiro, I.M.: Energy Dispersive X-Ray Elemental Analysis of Isolated Epiphyseal Growth Plate Chondrocyte Fragments . . . 85

Caffier, H., s. Davidoff, M., et al. . . . 39

Daems, W.T., s. Blok, J., et al. . . . 131

Davidoff, M., Caffier, H., Schiebler, T.H.: Steroid Hormone Binding Receptors in the Rat Kidney . . . 39

Dhar, A.C., Patel, K.R., Shah, C.K.: Role of Ascorbic Acid in Auxin Induced Cell Elongation. A Cytochemical Study . . . 101

Donaubauer, H.H.: Adenosine Triphosphatase Localization in the Branchial Heart of *Sepia officinalis* L. (Cephalopoda) . . . 27

Drews, U., s. Hannappel, E., et al. . . . 299

Dubach, U.C., s. Le Hir, M. . . . 95

Dubois, M.P., s. Girod, C., et al. . . . 137

Durand, N., s. Girod, C., et al. . . . 137

Emson, P., s. Panula, P., et al. . . . 169

Ginsel, L.A., s. Blok, J., et al. . . . 131

Girod, C., Dubois, M.P., Durand, N.: Immunocytochemical Evidence for the Presence of Somatostatin-Like Immunoreactivity in Scatterd Cells of the Duct System of the Submandibular Glands in the Monkey, *Macaca irus* . . . 137

Grimmelikhuijzen, C.J.P., Sundler, F., Rehfeld, J.F.: Gastrin/CCK-Like Immunoreactivity in the Nervous System of Coelenterates . . . 61

Grube, D.: α-Endorphin-Like Immunoreactivity in Plasma Cells of the Canine Colonic Mucosa 157

Gutschmidt, S., Lange, U., Riecken, E.O.: Kinetic Characterization of Unspecific Alkaline Phosphatase at Different Villus Sites of Rat Jejunum. A Quantitative Histochemical Study 189

Hannappel, E., Siegler, W., Drews, U.: Demonstration of 2n Spermatids in Carriers of the "Sex Reversed" Factor in the Mouse by Feulgen Cytophotometry . . . 299

Hardonk, M.J., Scholtens, H.B.: A Histochemical Study About the Zonal Distribution of the Galactose-Binding Protein in Rat Liver . . . 289

Hinrichsen, K., s. Bachmann, P. . . . 233

Klessen, C., Tekolf, W.: Cytochemical Investigation of Neutral Proteases in Polymorphonuclear (PMN) Neutrophils in Acute Inflammatory Diseases . . . 307

Knook, D.L., Sleyster, E.C., Teutsch, H.F.: High Activity of Glucose-6-phosphate Dehydrogenase in Kupffer Cells Isolated from Rat Liver . . . 211

Kuypers, G.A.J., Roomans, G.M.: Post-Mortem Elemental Redistribution in Rat Studied by X-Ray Microanalysis and Electron Micrsocopy . . . 145

Laitinen, L., Törnroth, T., Nordling, S.: An Improved Colloidal Iron Stain for Glomerular Sialoproteins . . . 203

Lange, U., s. Gutschmidt, S., et al. . . . 189

Le Hir, M., Dubach, U.C.: The Activities of Peroxisomal Oxidases in Periportal and Porivenous Zones of the Rat Liver Acinus . . . 95

Mareš, V., Ploeg, M. van der: Cytophotometric Re-Investigation of DNA Content in Purkinje Cells of the Rat Cerebellum . . . 161

Meijer, A.E.F.H., Vloedman, A.H.T.: The Histochemical Characterization of the Coupling State of Skeletal Muscle Mitochondria . . . 217

Mello, M.L.S.: Toluidine Blue Binding Capacity of Heterochromatin and Euchromatin of *Triatoma infestans* Klug . . . 181

Mulder-Stapel, A.A., s. Blok, J., et al. . . . 131

Naik, D.R., Sar, M., Stumpf, W.E.: Immunohistochemical Identification of Cells in the Pars Distalis of the Pituitary of the Lizard *Anolis carolinensis* 19
Nordling, S., s. Laitinen, L., et al. 203
Nørgaard, T.: Quantitation of Glucose-6-Phosphate Dehydrogenase Activity in Cortical Fractions of the Nephron in Sodium-Depleted and Sodium-Loaded Rabbits 49
Nuber, R., Teutsch, H.F., Sasse, D.: Metabolic Zonation in Thioacetamide-Induced Liver Cirrhosis 277
Panula, P., Emson, P., Wu, J.-Y.: Demonstration of Enkephalin-, Substance P- and Glutamate Decarboxylase-Like Immunoreactivity in Cultured Cells Derived from Newborn Rat Neostriatum 169
Patel, K.R., s. Dhar, A.C., et al. 101
Ploeg, M. van der, s. Mareš, V. 161
Ploeg, M. van der, s. Prooijen-Knegt, A.C. Van, et al. 1
Prooijen-Knegt, A.C. Van, Redi, C.A., Ploeg, M. Van der: Quantitative Aspects of the Cytochemical Feulgen-DNA Procedure Studied on Model Systems and Cell Nuclei 1
Redi, C.A., s. Prooijen-Knegt, A.C. Van, et al. 1
Rehfeld, J.F., s. Grimmelikhuizen, C.J.P., et al. 61
Riecken, E.O., s. Gutschmidt, S., et al. 189
Romer, F.: Histochemical and Biochemical Investigations Concerning the Function of Larval Oenocytes of *Tenebrio molitor* L. (Coleoptera, Insecta) 69
Roomans, G.M., s. Kuypers, G.A.J. 145
Sar, M., s. Naik, D.R., et al. 19
Sasse, D., s. Nuber, R., et al. 277
Schiebler, T.H., s. Davidoff, M., et al. 39
Schiebler, T.H., s. Zabel, M. 255
Scholtens, H.B., s. Hardonk, M.J. 289
Schröder, C.: Characterization of Embryonic Cholinesterase in Chick Limb Bud by Colorimetry and Disk Electrophoresis 243
Shah, C.K., s. Dhar, A.C., et al. 101
Shapiro, I.M., s. Boyde, A. 85
Siegler, W., s. Hannappel, E., et al. 299
Sleyster, E.C., s. Knook, D.L., et al. 211
Stumpf, W.E., s. Naik, D.R., et al. 19
Sundler, F., s. Grimmelikhuijzen, C.J.P., et al. 61
Tekolf, W., s. Klessen, C. 307
Teutsch, H.F., s. Knook, D.L., et al. 211
Teutsch, H.F., s. Nuber, R., et al. 277
Törnroth, T., s. Laitinen, L., et al. 203
Vloedman, A.H.T., s. Meijer, A.E.F.H. 217
Wu, J.-Y., s. Panula, P., et al. 169
Zabel, M., Schiebler, T.H.: Histochemical, Autoradiographic and Electron Microscopic Investigations of the Renal Proximal Tubule of Male and Female Rats After Castration . . . 255
Announcement: Revision of By-Laws of Robert-Feulgen Price 111

Indexed in Current Contents